

# EMERGENCY MANAGEMENT EDUCATION SHOWCASE

As governments at all levels have emphasized the importance of emergency management – some through legislation, others through the introduction of specialized programs and training – a growing number of universities, colleges and institutes have developed specialized programs to address the need for qualified professionals.

This brief survey provides an overview of some of the Emergency Management programs, their scope, costs, and partnerships with government and industry.

## ■ BRANDON UNIVERSITY

Brandon, Manitoba  
[www.brandonu.ca](http://www.brandonu.ca)

**Program(s):** Applied Disaster & Emergency Studies

**Description of program:** A minimum of core and elective courses covering an all-hazards and all-phases approach. Both a BA and a BSc are available, as is a minor.

**Type of program(s) offered:** Undergraduate degree

**Length of program:** 4 years (54 of 120 credit hours)

**Target demographic:** New students

**Classroom or Internet based (or both):** Classroom with limited online

**Prerequisites to apply:** Grade 12 or equivalent (see website for admissions criteria)

**Cost per year or per program:** Approximately \$3500 per year

**Financial aid specific to the program:** Financial aid is available for BU students, and ADES has some program specific scholarships

**Where graduates now work:** Federal,

provincial and local government emergency management agencies, NGOs and private sector.

**Partnerships with local EM/first responder community:** Program is a member of the Brandon Emergency Support Team

## ■ CANADIAN EMERGENCY MANAGEMENT COLLEGE, PUBLIC SAFETY CANADA

Ottawa, Ontario  
[www.publicsafety.gc.ca/prg/em/cemc/index-eng.aspx](http://www.publicsafety.gc.ca/prg/em/cemc/index-eng.aspx)

**Program(s):** Emergency Management Training Program  
Chemical, Biological, Radiological and Nuclear (CBRN) First Responder Training Program

**Description of program:** The Canadian Emergency Management College (CEMC) offers programs for emergency management personnel and first responders. The programs are developed through consultation with federal, provincial and territorial partners, first responders and subject matter experts. CEMC also provides CBRN

response training to the first responder community. Courses are developed in consultation with clients, including first responders for the CBRN program, and subject matter experts from federal, provincial and territorial governments.

**Type of program(s) offered:** Academic designation is not applicable to CEMC courses

**Length of program:** Resident courses are 3 to 7 half day's duration

**Target demographic:** Mature students  
**Classroom or Internet based (or both):** The CEMC uses both classroom and Internet based training delivery modes according to subject matter and level of training provided.

**Prerequisites to apply:** None. CEMC courses are open to municipal, provincial and territorial employees, emergency management volunteers and federal government officials who meet knowledge, training and experience prerequisites. Participants must be nominated by their provincial, territorial or federal emergency management organization.

**Cost per year or per program:** There is no cost to participants

**Financial aid specific to the program:** CEMC does not have financial aid programs

**Where graduates now work:** Graduates work in communities across Canada and in Emergency Management programs at provincial/territorial and federal government levels.

**Partnerships with local EM/first responder community:** CEMC works in partnership with all provinces and territories, and through their emergency management organizations, local communities. Cooperation is formalized in agreements such as the National Emergency Management Training Strategy.

## ■ CENTENNIAL COLLEGE

**Toronto, Ontario**  
[www.centennialcollege.ca/em](http://www.centennialcollege.ca/em)

**Program(s):** Emergency Management Certificate Program

**Description of program:** Six modules: Introduction to Emergency Management on the five phases of EM and the principles of risk assessment, emergency planning and communication; Emergency and Continuity of Operations Planning on core components of emergency planning; Hazard Identification and Risk Assessment on how to identify and evaluate critical and essential facilities, equipment and systems; Incident Management Systems and Supporting Technologies, including an introduction to Geographic Information System technology, data structures and analytical techniques; Emergency Exercise Design Applications to help understand how exercise design supports training and overall EOC effectiveness; and Emergency Operations Centre Design and Procedures.

**Type of program(s) offered:** Certificate

**Length of program:** The six-module program can be completed in four months. Classroom seminars are conducted on Friday evenings and Saturdays, every second week for nine weeks. Each module involves sixteen hours in class, and approximately the same in reading and assignments.

**Target demographic:** Mature students

**Classroom or Internet based (or both):** Classroom

**Prerequisites to apply:** None

**Cost per year or per program:** \$4600

**Financial aid specific to the program:** No

**Where graduates now work:** Provincial ministries, municipalities, hospitals, public health, utility companies, communications companies.

**Partnerships with local EM/first responder community:** A high fidelity disaster simulation takes place in the middle of the program. This is organized in partnership with first responder organizations from across the Greater Toronto Area to evaluate emergency response plans, develop a higher level of teamwork across organizations, and evaluate new communication and information management technologies in crisis environments.

## ■ DALHOUSIE UNIVERSITY

**Halifax, Nova Scotia**  
[www.dal.ca](http://www.dal.ca)

**Program(s):** Diploma of Emergency Health Services Management

**Description of program:** Offered by the School of Health Administration, the undergraduate diploma in Emergency Health Services Management meets the need for an educational program for students interested in emergency health services management and for mid-career managers working in Emergency Health Services systems in Canada. The academic objectives of the program are to provide education in emergency health services management for future managers of large and small emergency health services organizations, and to provide access to further education in Health Administration and Emergency Health Services for such individuals. The program is designed by EHS professionals drawing on the experience of EHS practitioners, educators, managers and consultants across Canada and in the United States. This program is geared towards developing essential management skills to work in this field.

**Type of program(s) offered:** Undergraduate diploma

**Length of program:** 10 courses; one year full time studies

**Target demographic:** New and mature students

**Classroom or Internet based (or both):** Internet based

**Prerequisites to apply:** Work experience or past post secondary course work

**Cost per year or per program:** \$750/course (10 courses are required)

**Financial aid specific to the program:** No

**Where graduates now work:** Management in pre-hospital or emergency health departments.

**Partnerships with local EM/first responder community:** None

## ■ DURHAM COLLEGE, SCHOOL OF JUSTICE & EMERGENCY SERVICES

**Oshawa, Ontario**  
<http://jes.durhamcollege.ca>

**Program(s):** Emergency Management Program

**Description of program:** The Emergency Management program is one of the first of its kind in Canada. This unique program offers education and training in emergency and disaster planning. Faculty with both academic credentials and extensive real-life experience in emergency management has designed this program to provide graduates with multidisciplinary background knowledge. This program takes a holistic approach to training and working with communities.

Students learn the essentials of emergency management practice including hazard identification and risk assessment; the creation of Community Emergency Response Plans; the design and implementation of Emergency Operations Centres; adult education methods for training staff and the general public; the creation and staging of emergency training exercises; the technologies used by communities to respond to a disaster; and the techniques used to help the residents and businesses recover from the effects of the disaster. Imbedded in the program is the opportunity to complete the Ontario's Emergency Management Office Basic Emergency Management (BEM) certificate.

**Programs offered:** Postgraduate

**Length of program:** 10 months/522 hrs

**Target demographic:** Mature students

**Classroom or Internet based (or both):** Classroom

**Prerequisites to apply:** Postgraduate program requires diploma/degree from post secondary institute or related work experience

**Cost per year or per program:** \$2,500 per program for domestic students

**Financial aid specific to the program:** Ontario Student Assistance Program (OSAP). For further information, see <https://osap.gov.on.ca>

**Where graduates now work:** Program is currently running on a hybrid delivery (part-time, week nights, weekends) and our most of our current students are employed in the field – regional emergency management offices, social services, Red Cross, police services.

**Partnerships with local EM/first responder community:** We work closely with Durham Emergency Management and Emergency Management Ontario for BEM delivery.

### ■ FLEMING COLLEGE

Peterborough, Ontario  
[www.flemingc.on.ca](http://www.flemingc.on.ca)

**Program(s):** Emergency Management Program

**Description of program:** In response to a growing number of natural, human-caused and technological emergencies, the government of Ontario has implemented legislation making emergency management mandatory for all municipalities within the province. This new, two-semester program is being designed for graduates of college and university programs to bridge their way to a career in this growing field. Also, many emergency management practitioners are lacking the education and skills required to perform their duties effectively, due to a shortage of formalized training in this field. This program addresses the gap by providing formalized training for emergency practitioners and a pool of qualified, job-ready graduates.

**Type of program:** Certificate

**Length of program:** EMP is 16 courses over two semesters, starting in September and ending in April

**Target demographic:** New and mature students

**Classroom or Internet based (or both):** Classroom

**Prerequisites to apply:** Postgraduate of university or college

**Cost per year or per program:** \$1606 per semester

**Financial aid specific to the program:** Currently seeking scholarships

**Where graduates now work:** Provincial and federal ministries, municipalities, private consultants and universities

**Partnerships with local EM/first responder community:** Practicum has partnerships with local ministries and municipalities. All first responders part of practicum.

### ■ GEORGE BROWN COLLEGE, SCHOOL OF EMERGENCY MANAGEMENT

Toronto, Ontario  
<http://coned.georgebrown.ca>

**Program(s):** IMS/EOC Management; Emergency Management; Incident Command Management; Emergency Exercise Design; Public Health Emergency Management; Safety, Security and Response to Terrorism; Business Continuity and Economics; Security Specialist

**Description of program:** Emergency management (and related disaster studies) and public safety and security programs in a state-of-the-art facility with simulation lab

**Type of program:** Certificate

**Target demographic:** New and mature students

**Length of program:** Variable; ranges from 120 hours to 240 hours

**Classroom or Internet based (or both):** Mainly classroom-based but some programs offer both delivery systems

**Prerequisites to apply:** Experience in a related field or previous diploma/degree

**Cost per year or per program:** Variable, depending on the length of the program. Paid on a course-by-course basis. Fees range from \$220 to \$483 per course

**Financial aid specific to the program:** Bursary; see website for details

**Where graduates now work:** Police (Durham, Metro Toronto, OPP and RCMP), fire, paramedicine, 911 call centres, Red Cross, American Express, security, community colleges, Toronto Public Health, Bank of Montreal, TTC, Pearson Airport, provincial and federal ministries

**Partnerships with local EM/first responder community:** Emergency Management Ontario

### ■ JUSTICE INSTITUTE OF BRITISH COLUMBIA

New Westminster, British Columbia  
[www.jibc.bc.ca](http://www.jibc.bc.ca)

**Program(s):** Emergency Management Certificate Program (EMCP)  
Exercise Design Certificate Program (EDCP)

**Description of programs:** The Emergency Management Program provides training and customized services in the fundamentals of emergency management for all hazards that affect people, property and the environment, including: Emergency Man-

agement Certificate and Exercise Design Certificate, customized training, exercise development, facilitation and evaluation and consultation and advisory services.

**Type of program:** Certificate

**Length of program:** EMCP: 210 hours, 15 credit program (10 credits of required courses and 5 credits of elective courses); EDCP: 140 hours, 10 credit program (8 credits of required courses and 2 credits of elective courses)

**Target demographic:** New and mature students

**Classroom or Internet based (or both):** Majority in classroom; introductory courses are Internet based.

**Prerequisites to apply:** None

**Cost per year or per program:** EMCP approx. \$4000.00; EDCP approx. \$2600

**Financial aid specific to the program:** Students enrolling in JIBC programs and courses of sufficient duration may be eligible for various forms of student financial assistance. Students can review the following options, or contact the Registration Services Advisor: JIBC Bursaries Community, Safety Scholarships, EMA Education Fund, Student Aid BC, Vancouver Foundation Emergency and Medical Assistant (EMA) Education Fund Awards

**Where graduates now work:** Students in our programs are currently working in emergency management for the Provincial Emergency Program, federal and provincial governments, municipalities and Terasen Gas.

**Partnerships with local EM/first responder community:** None

### ■ NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY

Edmonton, Alberta  
[www.nait.ca](http://www.nait.ca)

**Program(s):** Emergency Management diploma program

**Description of program:** This program provides students with a fundamental understanding of emergency management across a broad spectrum of working environments. Course work focuses on four key areas: mitigation, planning, response and recovery.

**Type of program:** Diploma

**Length of program:** 1020 hrs/ 20 courses

**Target demographic:** Mature students

**Classroom or Internet based (or both):** Internet-based

**Prerequisites to apply:** Currently none  
**Cost per year or per program:** Currently \$550 per course  
**Financial aid specific to the program:** None specific to the program  
**Where graduates now work:** The program is too new to have produced graduates. But we expect to see graduates filling EM roles in both public and private sector positions.  
**Partnerships with local EM/first responder community:** None

## ■ ROYAL ROADS UNIVERSITY

Victoria, British Columbia  
[www.royalroads.ca](http://www.royalroads.ca)

**Program(s):** Master in Arts in Disaster and Emergency Management  
**Description of program:** The MA in Disaster and Emergency Management is a two-year interdisciplinary degree designed to better equip professionals in their roles as mid to senior level managers from the public sector, private sector and non-profit organizations. This includes existing leaders or those who aspire to become disaster management professionals. The program teaches learners how to assess, prepare for, mitigate, respond to and recover from traditional natural environmental disasters such as earthquakes, tsunamis, fires, floods and droughts; and human-induced disasters such as pandemics and health risks; as well as new, emergent threats such as bio-chemical, nuclear and cyber-terrorism. Topics covered also include logistics and financial management, business continuity, risk assessment, knowledge and information management, systems thinking, and inter-agency coordination.  
**Type of program:** Postgraduate  
**Length Of Program:** 36 credit, two-year program  
**Target demographic:** Mature students  
**Classroom or Internet based (or both):** Online courses and an annual three-week residency held on-campus in Victoria  
**Prerequisites to apply:** Admission to all Royal Roads degree programs is based on criteria that ensure the highest standards of academic quality and student achievement. These include formal post-secondary education, life and/or work experience, and personal attributes. All applications to Royal Roads are assessed on a case-by-case basis  
**Cost per year or per program:** \$20,390 per program

**Financial aid specific to the program:** No specific financial aid has been put in place for the program. For possible funding sources, line of credits and loan arrangements see <http://www.royalroads.ca/finances/funding-sources>  
**Where graduates now work:** First graduation will take place in 2009. Graduates students are working with several provincial and municipal EMOs, police departments, Canadian Forces, Ontario Ministry of Natural Resources, Ontario Ministry of Community & Social Services, BC Ministry of Forest Protection Branch, BC Ministry of the Environment, WorkSafe BC  
**Partnerships with local EM/first responder community:** In its development of the program, Royal Roads has developed extensive relations with BC PEP. With its first cohort, RRU has formed alliances with the municipalities of Colwood, Langford and View Royal where the second year graduate learners conducted consulting projects. With a second cohort started in April 2008, this type of community assistance program will expand.

## ■ SHERIDAN COLLEGE INSTITUTE OF TECHNOLOGY AND ADVANCED LEARNING

Brampton, Ontario  
[www.sheridaninstitute.ca](http://www.sheridaninstitute.ca)

**Program(s):** Emergency Management  
**Description of program:** A graduate of the Emergency Management Graduate Certificate Program will be able to demonstrate the ability to implement comprehensive plans for prevention, mitigation, preparedness, response and recovery to deal with actual or potential emergencies and disasters. This program is beneficial for both current practitioners and those new to the field of emergency management. Emergency Management offers a responsive curriculum to prepare those responsible for emergency management in their organizations for this challenging and demanding role.  
**Type of program:** Certificate  
**Length of program:** One academic year, 6 courses per semester  
**Target demographic:** Mature students  
**Classroom or Internet based (or both):** A combination of regular classroom, 2 one week intensive courses and 4 online courses  
**Prerequisites to apply:** College diploma

or university degree  
**Cost per year or per program:** \$4,400.00  
**Financial aid specific to the program:** No  
**Where graduates now work:** Provincial ministries, municipal governments, federal police (RCMP) and large private sector industries  
**Partnerships with local EM/first responder community:** City of Brampton

## ■ YORK UNIVERSITY

North York, Ontario  
[www.yorku.ca](http://www.yorku.ca)

**Program(s):** MA in Disaster & Emergency Management  
**Description of program:** The new Masters of Arts in Disaster & Emergency Management is the only graduate program of its kind in Ontario and one of two in Canada. It is designed to meet the critical need for professionals with advanced level knowledge and skills in this exciting and important field.  
**Type of program:** Postgraduate  
**Length of program:** Two years FT; four years PT  
**Target demographic:** New and mature students  
**Classroom or Internet based (or both):** Classroom  
**Prerequisites to apply:** See [www.yorku.ca](http://www.yorku.ca)  
**Cost per year or per program:** Domestic \$1827.94 per term (FT), \$913.99 (PT); International \$3990.53 per term (FT), \$1995.28 (PT)  
**Financial aid specific to the program:** Guaranteed minimum funding for FT graduate students with a B+ or higher GPA; A average (A+, A, A-) \$14,000 for the first year of the 2 year program and \$10,000 for second year; B+ average \$10,000/year  
**Where graduates now work:** New program, no graduates as of yet  
**Partnerships with local EM/first responder community:** No